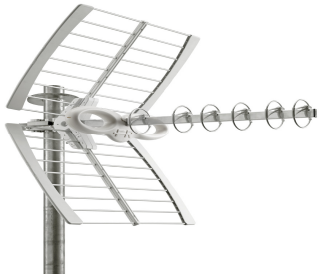
UHF Aerials - SIGMA series

SIGMA 6HD LTE



LTE variant of the Sigma series.

The Sigma 6HD LTE has been developed to reduce the interference of LTE signals.

Superb electrical specifications with excellent directivity and gain in a compact size incorporating SAW filter technology within the dipole.

All the usual characteristics of the Sigma series are also present in this model:

- High gain, compact length
- Quick assembly without needing tools
- Excellent directivity

Main Specifications:

- 6 elements
- **SAW filter in the dipole**
- Wideband UHF antenna
- Dipole with F connector
- H or V polarisation
- Maximum mast diameter 60mm
- Double grid reflector
- Impedance 75 Ohm
- **Selectivity of 35dB @ 30MHz (790-810MHz)**

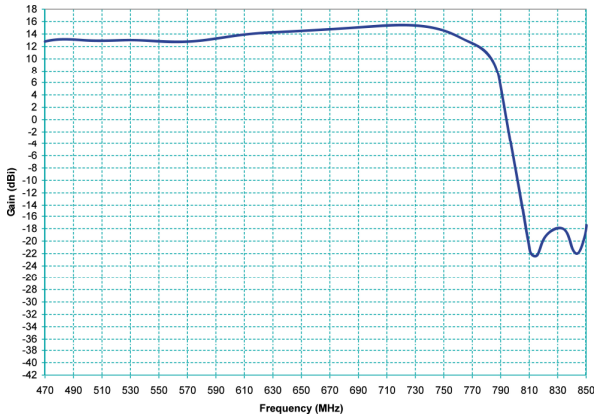
		SIGMA 6HD LTE
Fracarro code		213219
Elements	No.	6
Band		UHF
Channels	Europe	E21 – E60
Technical Characteristics		
Bandwidth	MHz	470 – 790
Maximum gain	dBi	15
Front-to-back ratio	dB	32
Return loss	dB	-18
Beamwidth (-3dB)	°	+/-18
Impedance	Ohm	75
Mechanical Characteristics		
Dimensions (L x W)	cm	920 x 625
Maximum mast diameter	mm	60
Wind load at 120Km/h (720N/m2)	Kg (N)	23 (225.4)
Connector	Type	F
Accessories		
Horizontal polarisation		Included
Horizontal polarisation with tilt adj.		Included
Vertical polarisation		Included
Vertical polarisation with tilt adj.		Included
Auxiliary boom		N.A.

Fracarro code	Description	Packaging	Quantity	Dimensions	Unit price	Total weight
			Pcs	mm	Kg	Kg
213219	SIGMA 6 HD LTE	Box	1	975 x 445 x 130	2.3	2.9

FREQUENCY PERFORMANCE

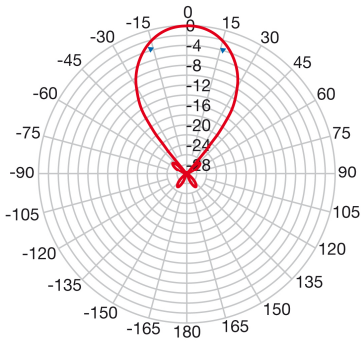
GAIN

Gain ISO [dBi]



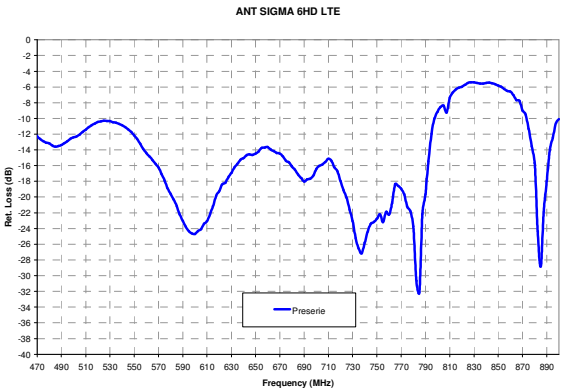
Frequency [MHz]

DIRECTIVITY



RETURN LOSS

Return Loss [dB]



Frequency [MHz]